

Converting Colors

CIELCh(38, 36.681, 105.612)

Have a look what the booklet for
CIELCh(38, 36.681, 105.612)
contains.

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Color

CIELCh(38, 36.983, 105.814)

Conversions

Conversions Part 1

Format	Color
Hex	5B5D1C
RGB	91, 93, 28
RGB Percent	36%, 36%, 11%
CMY	0.6440, 0.6361, 0.8910
CMYK	0.02, 0.00, 0.70, 0.64
HSL	62°, 54%, 24%
HSV	62°, 70%, 36%
XYZ	8.3960, 10.0881, 2.5902
YIQ	84.9920, 19.6730, -20.6390

Conversions

Conversions Part 2

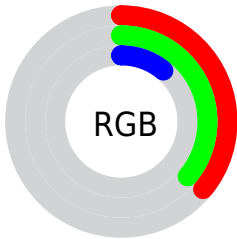
Format	Color
RYB	28, 93, 30
Decimal	5987612
CIELab	38.00, -10.08, 35.58
CIELCh	38, 36.983, 105.814
Yxy	10.0881, 0.3984, 0.4787
Android (android.graphics.Color)	4284177692 (0xFF5B5D1C)
YUV	84.9920, -28.0971, 5.2690
Hunter-Lab	31.7617, -8.3976, 17.3980

Details

The CIELCh color **38, 36.983, 105.814** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **15, 45.124, 301.236**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 36.841, 105.840**, and **18, 27.196, 108.818** is the 20% darker color. If you saturate the color by 10%, you get **38, 40.792, 105.298**, and if you desaturate by 10%, it is **38, 32.502, 106.465**.

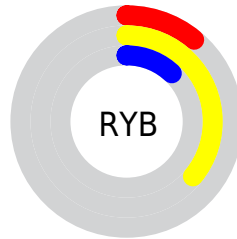
Distribution



Red (36%)

Green (36%)

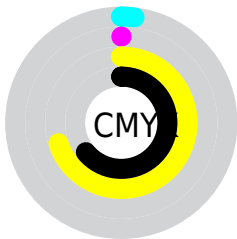
Blue (11%)



Red (11%)

Yellow (36%)

Blue (12%)

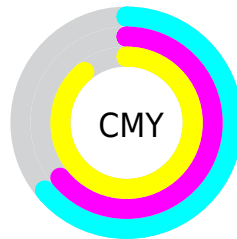


Cyan (2%)

Magenta (0%)

Yellow (70%)

Black (64%)



Cyan (64%)


Magenta (64%)


Yellow (89%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 36.983, 105.814 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 38, 36.983, 105.814 by changing the saturation by 10% instead.


 38, 36.983,
105.814


 38, 36.983,
105.814

 100, 36.983,
105.814


 28, 36.983,
105.814

 58, 36.983,
105.814


 18, 36.983,
105.814


 68, 36.983,
105.814

 8, 36.983, 105.814

 78, 36.983,
105.814

 0, 36.983, 105.814

 88, 36.983,
105.814

 98, 36.983,
105.814

■ 38, 36.983,
105.814

■ 38, 36.983,
105.814

■ 38, 40.792,
105.298

■ 38, 32.502,
106.465

■ 38, 43.699,
104.947

■ 38, 27.556,
107.205

■ 38, 46.320,
104.644

■ 38, 22.306,
108.007

■ 39, 16.864,
108.843

■ 39, 11.305,
109.695

■ 39, 5.680, 110.546

■ 39, 0.022, 110.044

■ 40, 5.645, 292.223

■ 40, 11.306,
293.018

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



38, 36.983, 105.814



15, 45.124, 301.236

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38, 36.983, 105.814



38, 36.983, 155.814



38, 36.983, 285.814



38, 36.983, 335.814

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



38, 36.983, 105.816



50, 14.610, 109.559



21, 33.520, 29.687



25, 9.960, 109.407



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38, 36.983, 105.816



49, 51.272, 105.048



36, 40.461, 126.919



19, 3.139, 110.650



44, 52.082, 104.681



91, 91.809, 104.799

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



15, 45.124, 301.236



15, 66.849, 304.201



18, 44.429, 312.754



17, 3.201, 292.191



10, 71.663, 306.456



30, 126.525, 306.354

Previews

White Background



This preview shows how the CIELCh color 38, 36.983, 105.814 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 38, 36.983, 105.814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

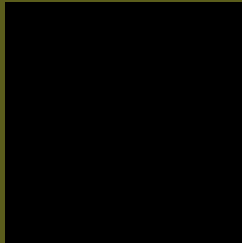
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 38, 36.983, 105.814

Background



This preview shows how black text looks on a background with the CIELCh color 38, 36.983, 105.814.



This preview shows how white text looks on a background with the CIELCh color 38, 36.983, 105.814.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

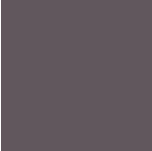
38, 36.983, 105.814

Protanopia

38, 36.474, 96.358

Deuteranopia

38, 35.015, 81.723



Tritanopia
38, 5.629, 339.319

Trichromacy



Original Color
38, 36.983, 105.814

Protanomaly
38, 36.665, 99.558

Deuteranomaly
38, 34.825, 91.169

Tritanomaly
38, 12.532, 95.459

Monochromacy



Original Color
38, 36.983, 105.814

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 14.678, 109.557

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 36.983, 105.814 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(91, 93, 28)` looks like.

```
.text, #text, p{  
    color:rgb(91, 93, 28)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(91, 93, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 93, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 36.983, 105.814 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(91, 93, 28) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(91, 93, 28) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(91, 93, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 93, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 93, 28);  
box-shadow:4px 4px 4px 4px rgb(91, 93, 28)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 36.983, 105.814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 93, 28) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(91, 93,  
28) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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